

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements to Road and Side Drains at Badarappa Layout, Maruthinagara, Devingara, Muneshwarangara and Kodigehalli Grama in Ward No. 08, Kodigehalli Sub Division.

		Estimate Cost:						5000000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 152 / Item No. 19.1 / PWD SR 2013-14	Cum							
	Desilting of Drains								
			1	10.40	0.60	0.45	2.81		
			1	22.00	0.60	0.45	5.94		
			1	24.70	0.60	0.45	6.67		
			1	30.00	0.60	0.45	8.10		
			1	13.40	0.60	0.45	3.62		
			1	16.50	0.60	0.45	4.46		
			1	6.00	0.60	0.45	1.62		
			1	14.00	0.60	0.45	3.78		
			1	11.60	0.60	0.45	3.13		
			1	18.90	0.60	0.45	5.10		
			1	57.00	0.60	0.45	15.39		
			1	50.00	0.60	0.45	13.50		
			1	25.00	0.60	0.45	6.75		
			1	15.70	0.60	0.45	4.24		
			1	98.00	0.60	0.45	26.46		
							111.56	65.88	7350.00
	Basic Rate	61.00							
	Area Weightage @8%	4.88							
	Total	65.88							
2	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 152 / Item No. 19.2 / PWD SR 2013-14	Cum							
	SSM Drain Kodigehalli Grama		1	70.00	1.35	0.90	85.05		
	Culvert		3	6.50	2.00	1.20	46.80		
							131.85	90.72	11961.00
	Basic Rate	84.00							
	Area Weightage @8%	6.72							
	Total	90.72							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							
	Total	70.04							
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 7.5 cms thick Page No. 28 / Item No. 5.31.1/ PWD SR 2013-	Sqm							
							Vide Item No.2x30%	409.07	
								409.07	343.44 140490.00
	Basic Rate	318.00							
	Area Weightage @ 8%	25.44							
	Total	343.44							
7	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs using 40mm and down size graded granite metal, coarse aggregates @ 0.85 cum and fine aggregates @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth , including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No. 12 / Item No. 4.3 PWD SR - 2013-14	Cum							
	Culvert		3	6.50	2.00	0.20	7.80		
	SSM Drain		1	70.00	1.35	0.20	18.90		
			1	10.40	8.00	0.20	16.64		
			1	22.00	10.00	0.20	44.00		
			1	24.70	7.20	0.20	35.57		
			1	30.00	4.30	0.20	25.80		
			1	13.40	9.60	0.20	25.73		
			1	16.50	2.50	0.20	8.25		
			1	6.00	2.00	0.20	2.40		
			1	14.00	4.70	0.20	13.16		
			1	11.60	5.70	0.20	13.22		
			1	18.90	4.30	0.20	16.25		
			1	57.00	3.00	0.20	34.20		
			1	50.00	3.90	0.20	39.00		
			1	25.00	6.00	0.20	30.00		
			1	15.70	5.20	0.20	16.33		
			1	98.00	5.30	0.20	103.88		
								451.13	4290.84 1935735.00
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	4290.84							
8	KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26 / Item No. 5.12/ PWD SR	Cum							
	Culvert		3x2	6.50	0.60	0.90	21.06		
	SSM Drain Kodigehalli Grama		2	70.00	0.45	0.60	37.80		
								58.86	4341.76 255556.00
	Basic Rate	4096.00							
	Area Weightage @ 6%	245.76							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total		4341.76						
9	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 122 / Item No. 15.3 / PWD SR 2013-14	Sqm							
	Culvert		3x2	6.50		0.90	35.10		
			2	70.00		0.60	84.00		
							119.10	76.32	9090.00
	Basic Rate		72.00						
	Area Weightage @ 6%		4.32						
	Total		76.32						
10	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix M15 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. No. 12 / Item No. 4.6 / PWD SR 2013-	Cum							
	Culvert Coping		3x2	6.50	0.60	0.10	2.34		
	SSM Drain Kodigehalli Grama		2	70.00	0.45	0.10	6.30		
							8.64	4690.50	40526.00
	Basic Rate		4425.00						
	Area Weightage @ 6%		265.50						
	Total		4690.50						
11	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No.17 / Item	Sqm							
	Culvert		3	6.50	0.60		11.70		
			3x2	6.50		0.25	9.75		
			3x2	1.80		0.25	2.70		
							24.15	271.08	6547.00
	Basic Rate		251.00						
	Area Weightage @ 8%		20.08						
	Total		271.08						

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
12	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplasticiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum							
	Culvert		3	6.50	1.80	0.25	8.78		
			3x2	6.50	1.80	0.15	10.53		
							19.31	5639.76	108876.00
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	5639.76							
13	KSRB 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page	Qntl							
			0.90	19.31			17.37	7450.92	129456.00
	Basic Rate	6899.00							
	Area Weightage 8%	551.92							
	Total	7450.92							
14	KSRRB M2600-3: Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications,	M							
	CC Road		2	8.00			16.00		
			4	10.00			40.00		
			2	7.20			14.40		
			1	4.30			4.30		
			3	9.60			28.80		
			1	2.50			2.50		
			1	2.00			2.00		
			2	4.70			9.40		
			2	5.70			11.40		
			2	4.30			8.60		
			3	3.00			9.00		
			4	3.90			15.60		
			4	6.00			24.00		
			3	5.20			15.60		
			12	5.30			63.60		
							265.20	137.16	36375.00
	Basic Rate	127.00							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	10.16							
	Total	137.16							
15	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main	Cum							
			1	10.40	8.00	0.10	8.32		
			1	22.00	10.00	0.10	22.00		
			1	24.70	7.20	0.10	17.78		
			1	30.00	4.30	0.10	12.90		
			1	13.40	9.60	0.10	12.86		
			1	16.50	2.50	0.10	4.13		
			1	6.00	2.00	0.10	1.20		
			1	14.00	4.70	0.10	6.58		
			1	11.60	5.70	0.10	6.61		
			1	18.90	4.30	0.10	8.13		
			1	57.00	3.00	0.10	17.10		
			1	50.00	3.90	0.10	19.50		
			1	25.00	6.00	0.10	15.00		
			1	15.70	5.20	0.10	8.16		
			1	98.00	5.30	0.10	51.94		
							212.22	6464.88	1371951.00
	Basic Rate	5986.00							
	Area Weightage @ 8%	478.88							
	Total	6464.88							
16	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratory, Power Floater, blade and disc etc., with all lead	Sqm							
			1	10.40	8.00		83.20		
			1	22.00	10.00		220.00		
			1	24.70	7.20		177.84		
			1	30.00	4.30		129.00		
			1	13.40	9.60		128.64		
			1	16.50	2.50		41.25		
			1	6.00	2.00		12.00		
			1	14.00	4.70		65.80		
			1	11.60	5.70		66.12		
			1	18.90	4.30		81.27		
			1	57.00	3.00		171.00		
			1	50.00	3.90		195.00		
			1	25.00	6.00		150.00		
			1	15.70	5.20		81.64		
			1	98.00	5.30		519.40		
							2122.16	91.80	194814.00
	Basic Rate	85.00							
	Area Weightage @ 8%	6.80							
	Total	91.80							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
17	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1+2+3				860.69	72.71	62577.00
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00						561.74		
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	72.71							
18	Sub Total								4462894.00
19	KRIDL Service Charges and Applicable Taxes@ 11%							550000	490918.00
20	Third Part Quality Control Charges @ 1%							50000	44629.00
21	Miscellaneous and other Charges	L/S							1559.00
								Total	5000000.00

(Rs. Fifty Lakhs Only)

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per P.W.D S.R of 2013-14.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.


Assistant Engineer


Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division


Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs
Rupees fifty lakhs only

Under _____

Registered as EE () No. _____ 3...9...
Subject to conditions contained in
enclosed memo EE () No. _____

Dt. _____ Estimator's Signature
Add Commr (Y) AS/884/13-14
dated 22/2/14 Rs 50.00 Lakhs

Technical Sanction for Rs. 50.00 lakhs
Fifty lakhs only

SE/YNK/284/13-14, 3/3/14 Subject
to conditions contained in enclosed memo.
IND: SE/YNK/284/13-14, Dr.

AE/JE

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Addl Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92